

Figure 1: Three-tiered architecture

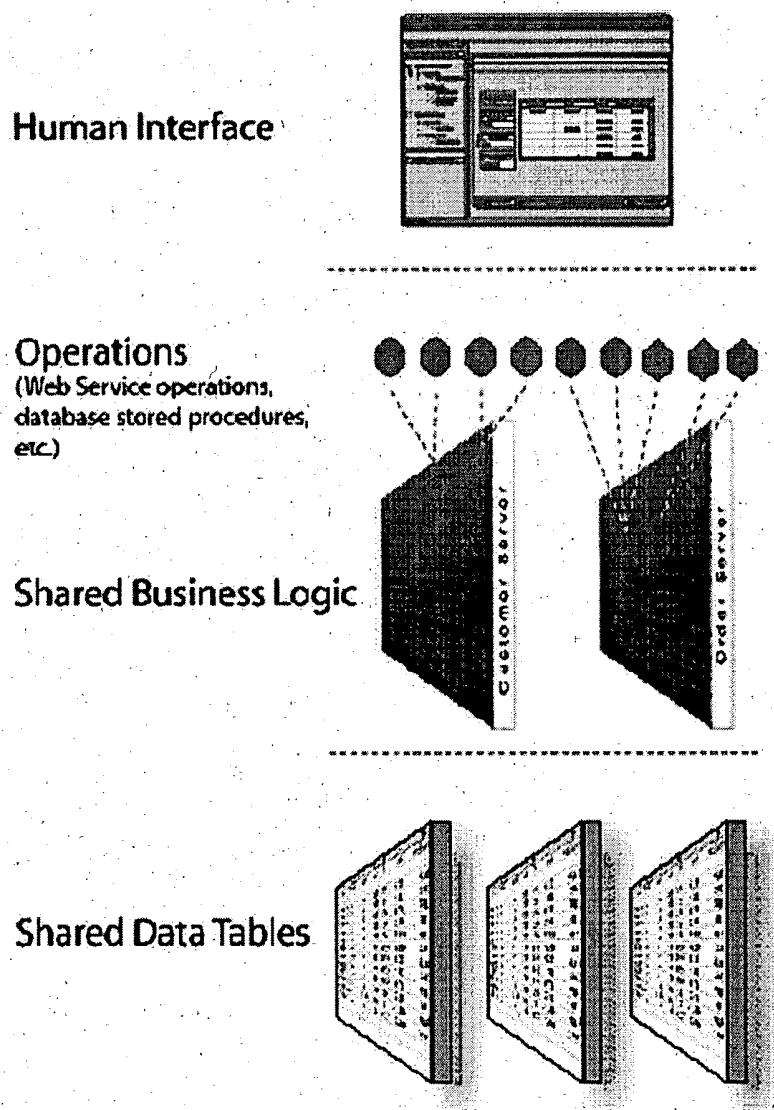


Figure 2: Orders table

Orders				
	Custnum	Onum	OrderDate	ShipDate

Figure 3a: Application Browser Application Dictionary Explorer window

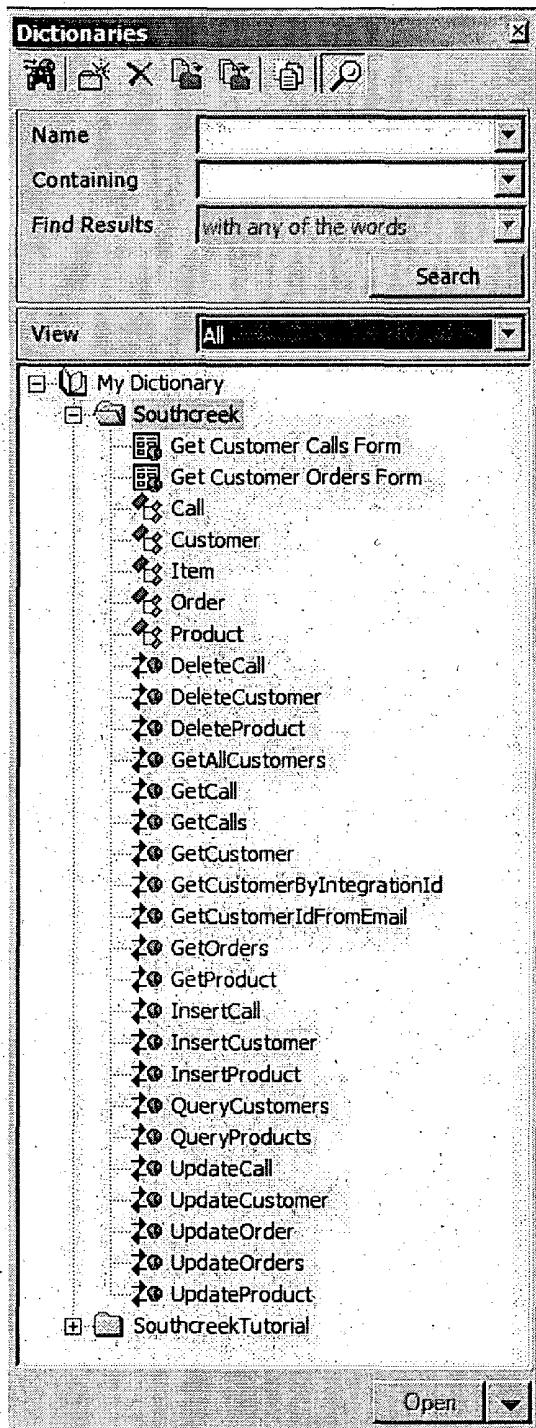


Figure 3b: Search results

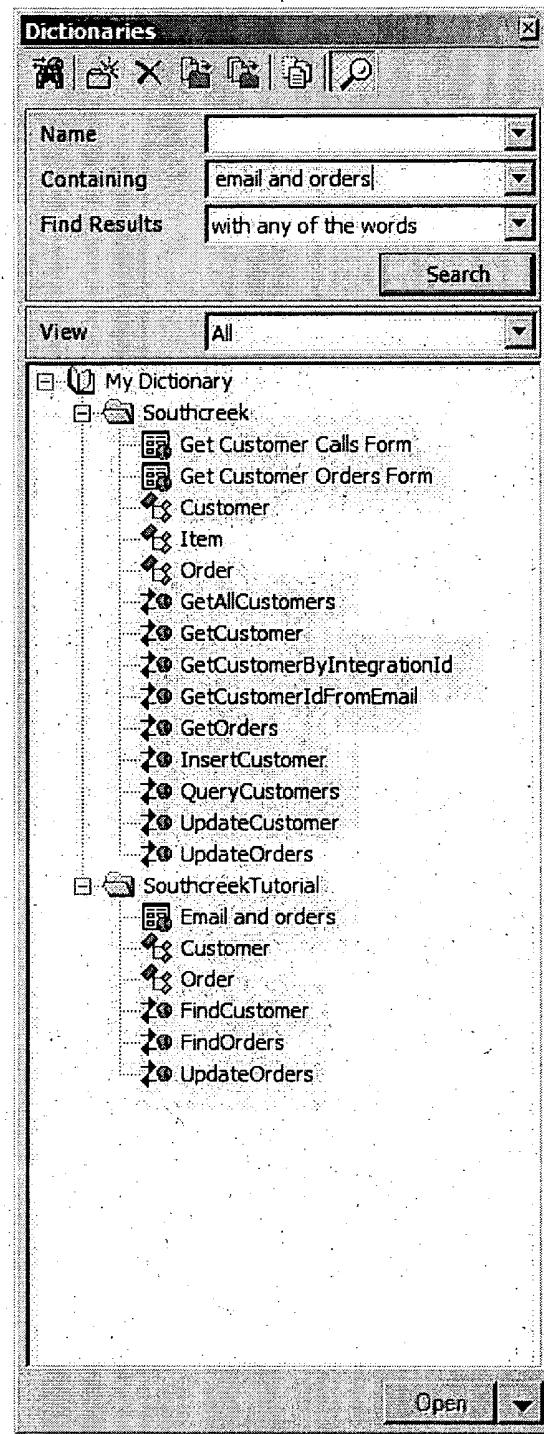


Figure 4: FindCustomer form, automatically rendered

Form 6

EMailAddress	gp@idea.com
CNumber	11
FirstName	G
LastName	P

Figure 5a: FindCustomers and Find Orders operation, with Join Mode tool tip visible

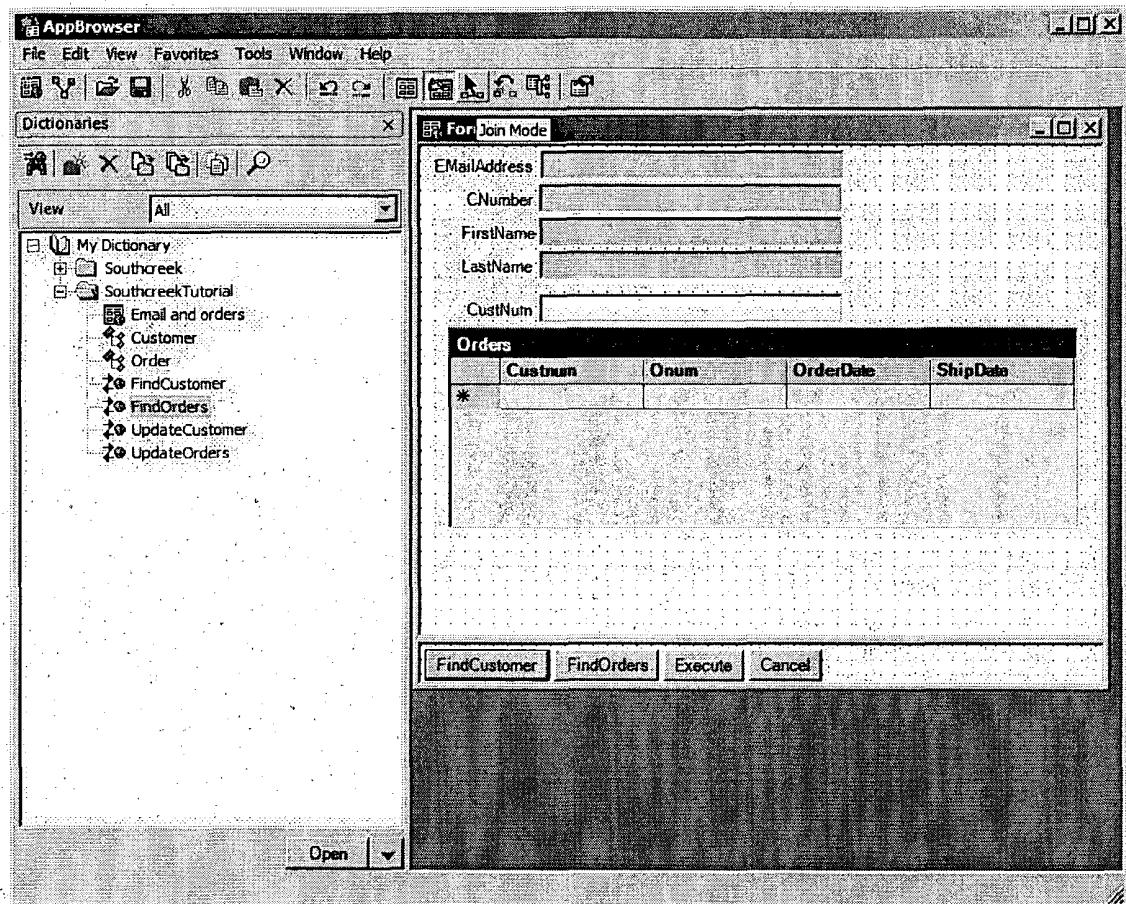


Figure 5b: FindCustomer and Find Orders operations joined

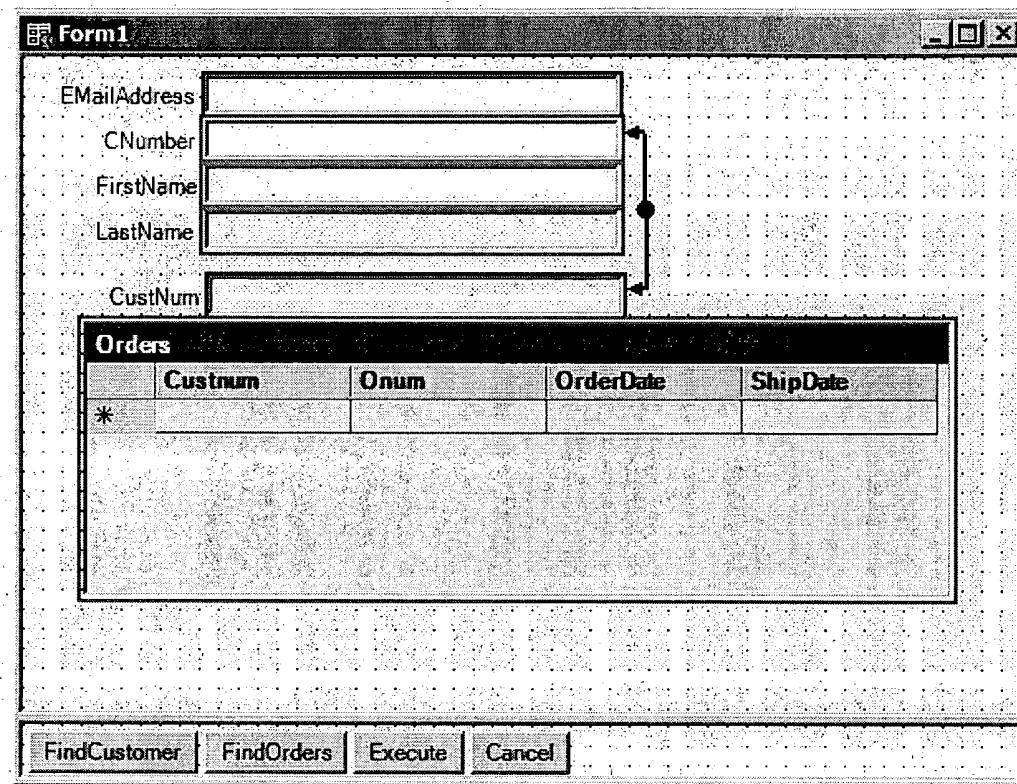


Figure 5c: Join Toolbox

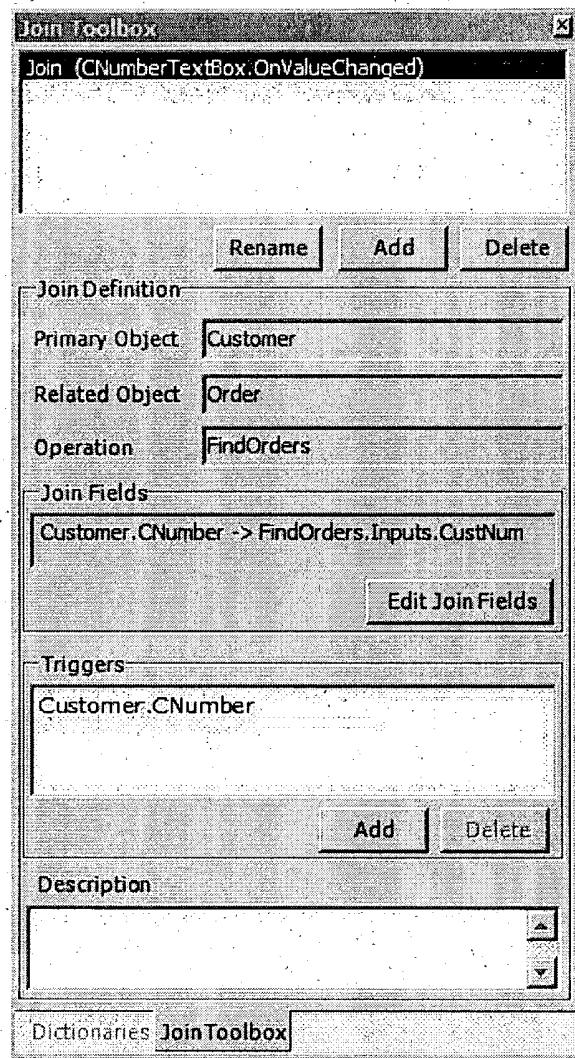


Figure 6: Form Modeler

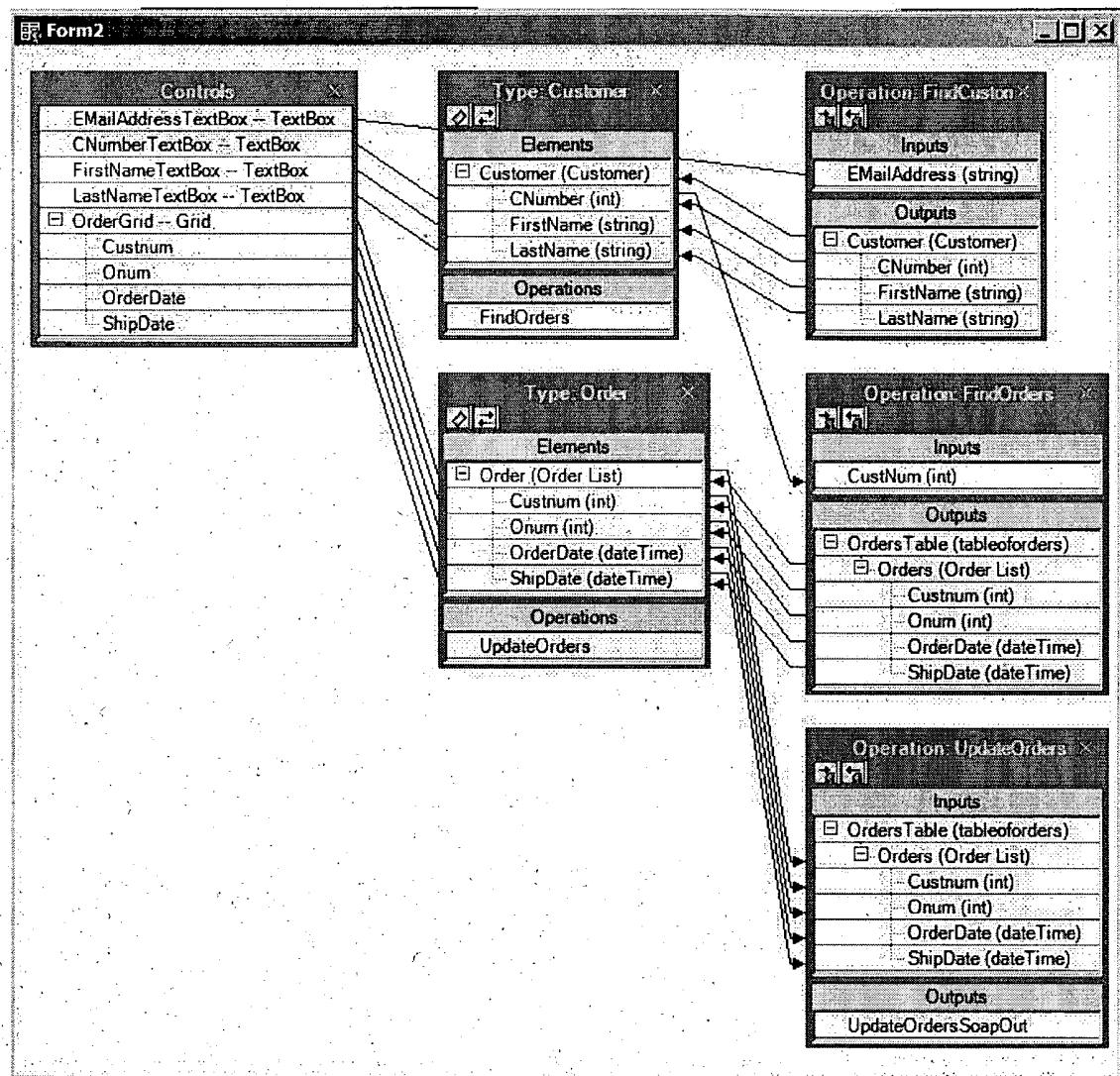


Figure 7a: Blank form, now joined

Form1

EMailAddress	<input type="text"/>
CNumber	<input type="text"/>
FirstName	<input type="text"/>
LastName	<input type="text"/>
CustNum	<input type="text"/>

Orders

Custnum	Onum	OrderDate	ShipDate

Figure 7b: Type in a value and put the cursor over the Execute button

Form1

EMailAddress	gp@idea.com
CNumber	
FirstName	
LastName	
CustNum	

Orders

Custnum	Onum	OrderDate	ShipDate

FindCustomer FindOrders **Execute** Cancel

Figure 7c: Show post-Execute results

Form1

EMailAddress	gp@dea.com
CNumber	11
FirstName	G
LastName	P
CustNum	11

Orders

	Custnum	Onum	OrderDate	ShipDate
▶	11	681	3/5/2001 10:00 P	3/6/2000 10:00 P
	11	1475	2/1/2001 10:00 P	2/5/2001 10:00 P
	11	1486	2/1/2000 10:00 P	2/2/2000 10:00 P
	11	2342	6/5/2000 10:00 P	6/6/2000 10:00 P

Buttons: FindCustomer, FindOrders, Execute, Cancel

Figure 8a: Return to Design mode and add the UpdateOrders operation to the form

Form1

EMailAddress	<input type="text"/>
CNumber	<input type="text"/>
FirstName	<input type="text"/>
LastName	<input type="text"/>
CustNum	<input type="text"/>

Orders

	Custnum	Onum	OrderDate	ShipDate
*				

Orders

	Custnum	Onum	OrderDate	ShipDate
*				

FindCustomer FindOrders UpdateOrders Execute Cancel

Figure 8b: Merge mode, with tool tip visible

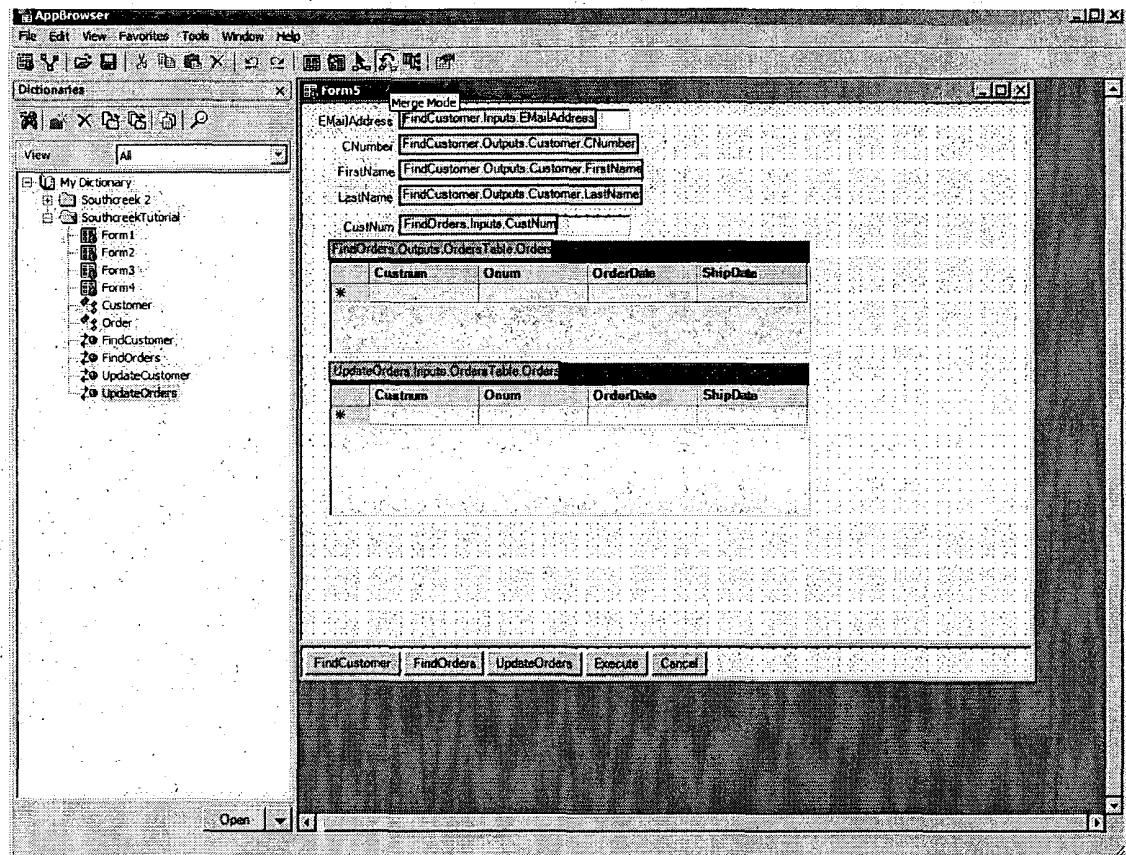


Figure 8c: Merge the Orders tables by dragging and dropping

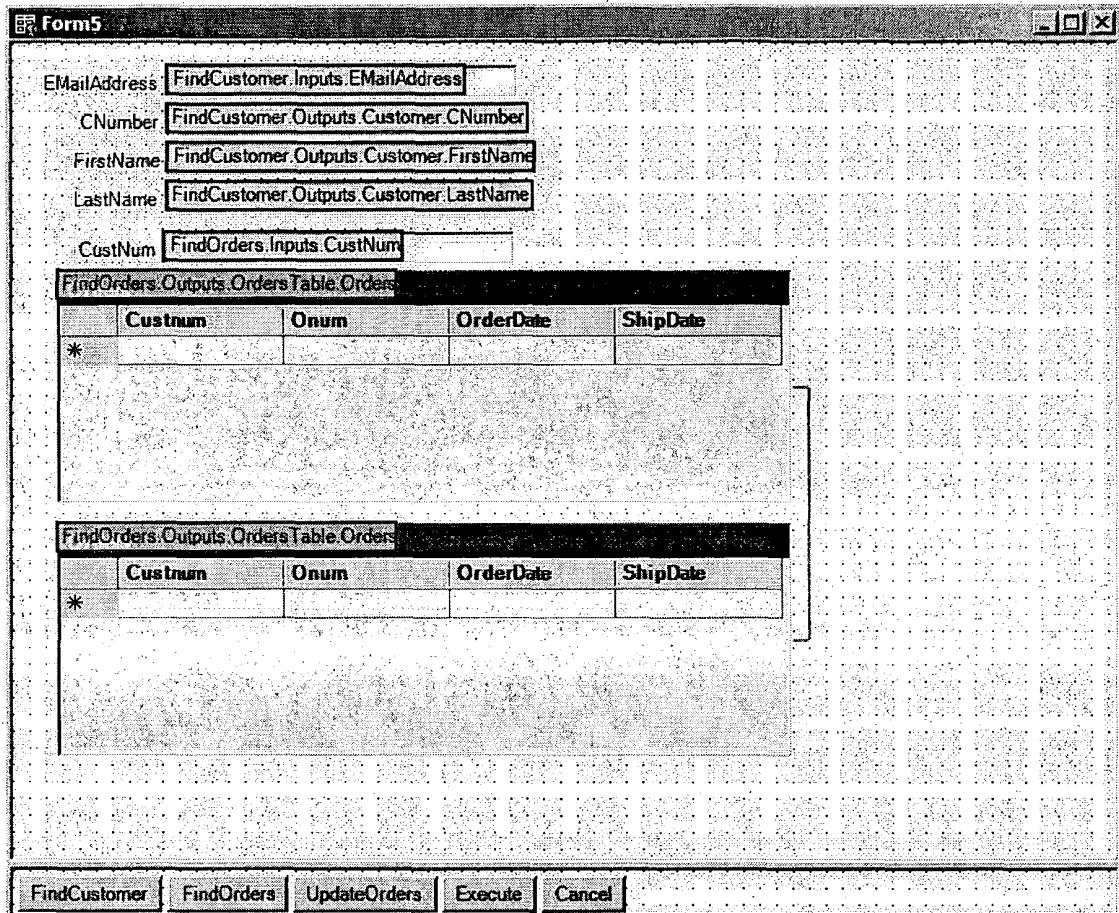


Figure 8d: The populated Order table, with merged operations

Form2

EMailAddress	gp@idea.com
CNumber	11
FirstName	G
LastName	P

Order

	Custnum	Onum	OrderDate	ShipDate
▶	11	681	3/5/2001 10:00 P	3/6/2000 10:00 P
	11	1475	2/1/2001 10:00 P	2/5/2001 10:00 P
	11	1486	2/1/2000 10:00 P	2/2/2000 10:00 P
	11	2342	6/5/2000 10:00 P	6/6/2000 10:00 P

FindCustomer UpdateOrders Execute Cancel

Figure 9a: Enterprise Object Type Editor, Elements tab

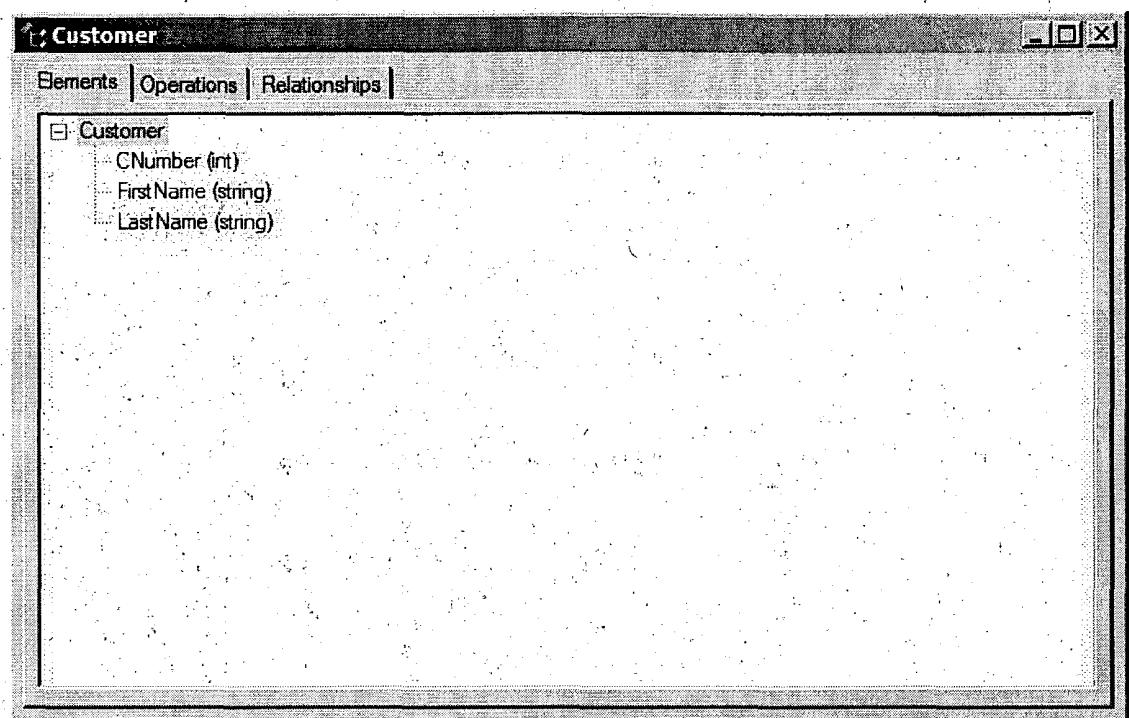


Figure 9b: Enterprise Object Type Editor, Operations tab

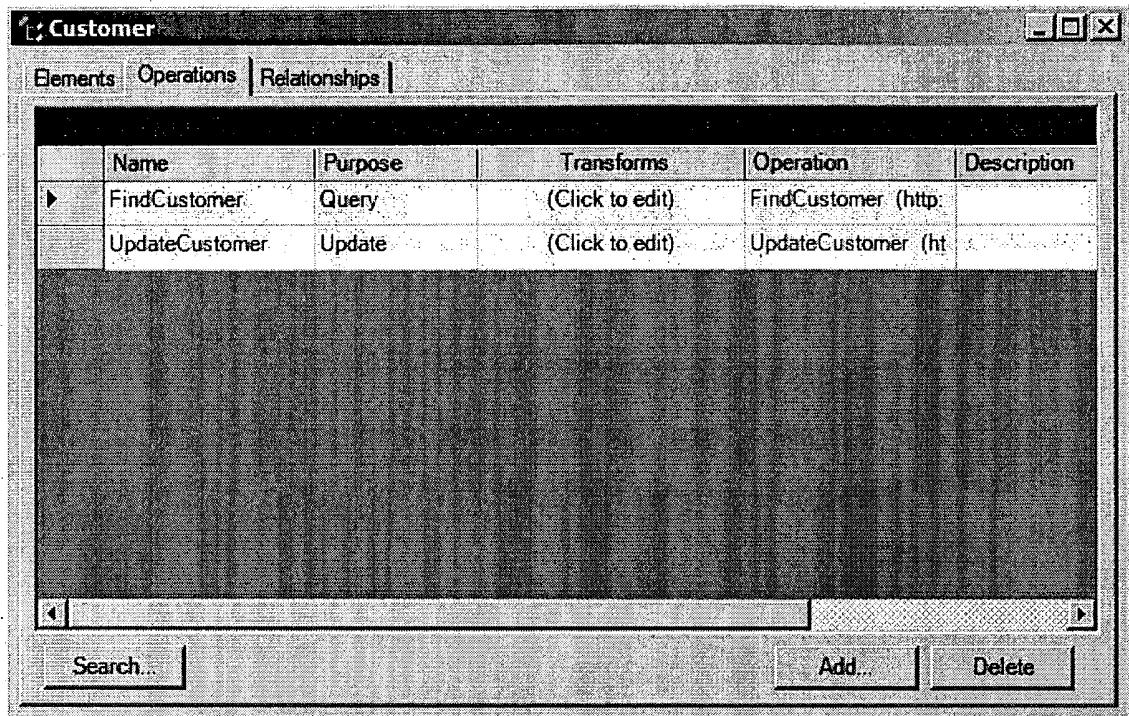


Figure 9c: Enterprise Object Type Editor, Relationships tab

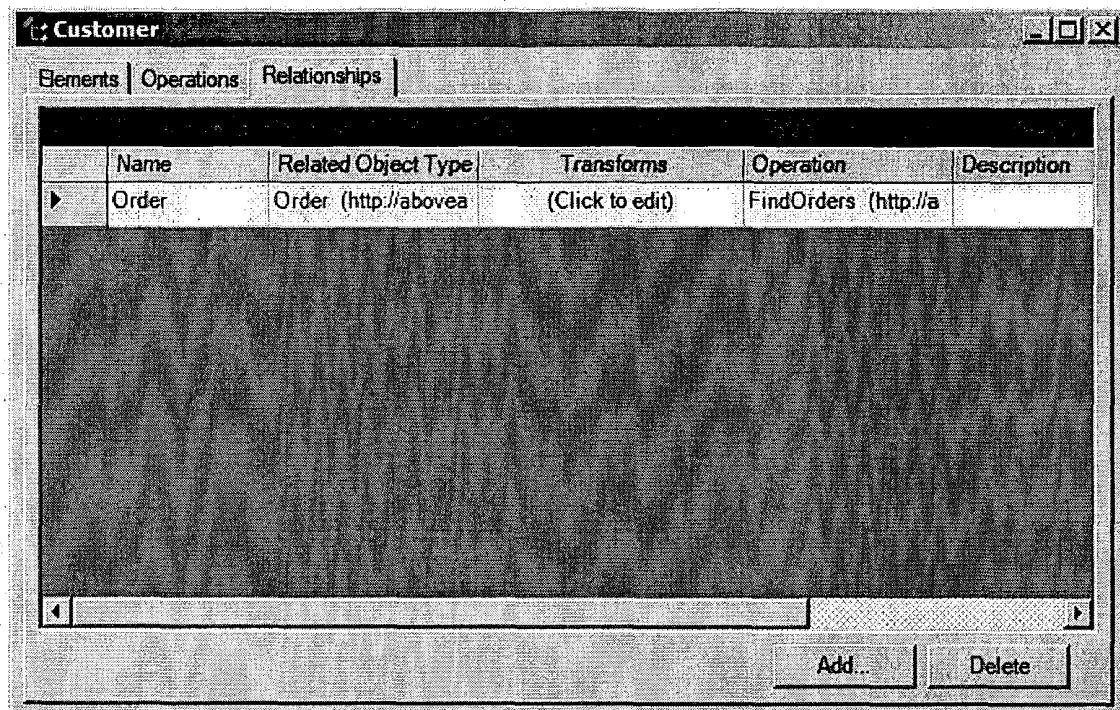


Figure 10a: Form Wizard, Step 1: Choose the Object Types to include on the form

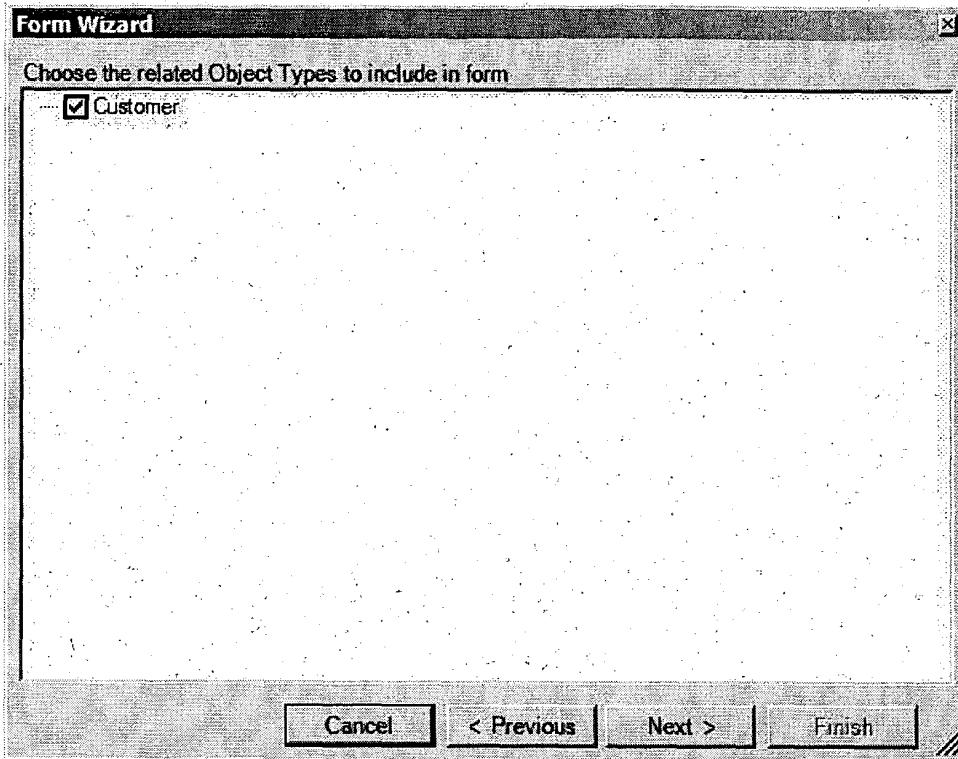


Figure 10b: Form Wizard, Step 2: Choose the operations for the form

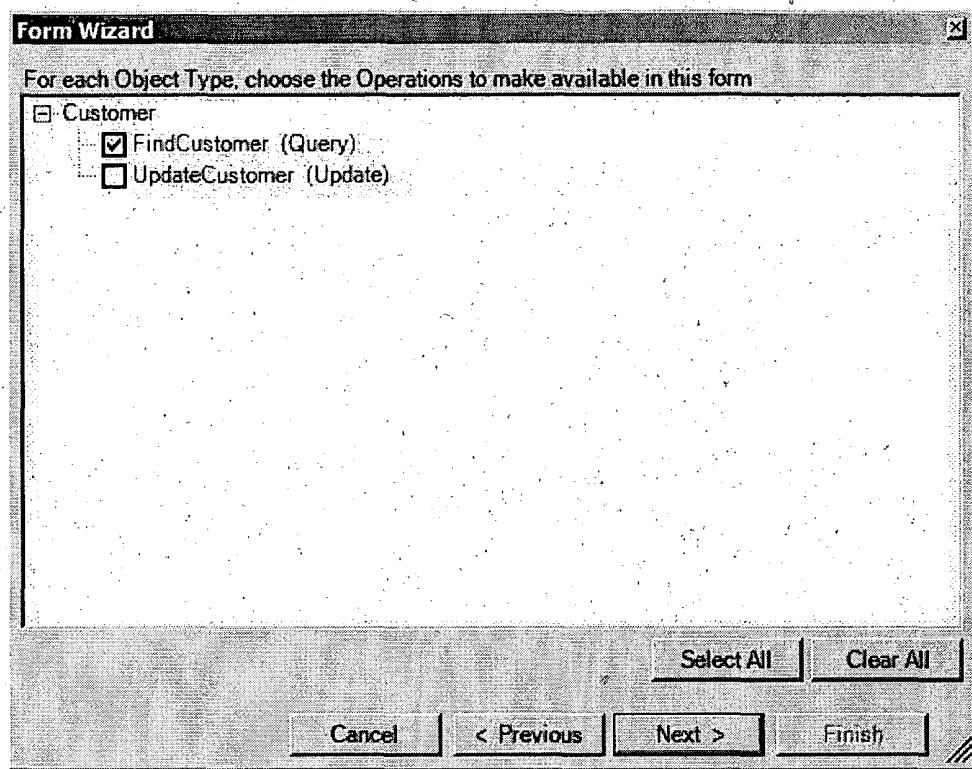
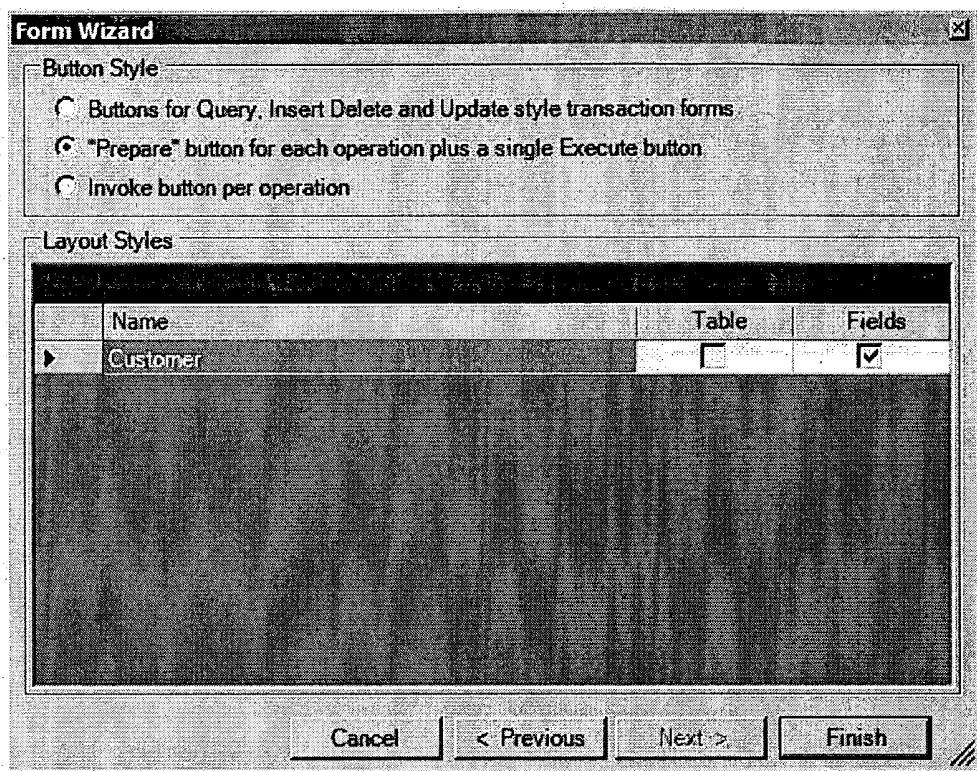


Figure 10c: Form Wizard, Step 3: Select layout options and finish the form



10d: Completed form results from the Form Wizard

Form5

EMailAddress	<input type="text"/>
CNumber	<input type="text"/>
FirstName	<input type="text"/>
LastName	<input type="text"/>

Figure11a: Add a Relationship to an EOT

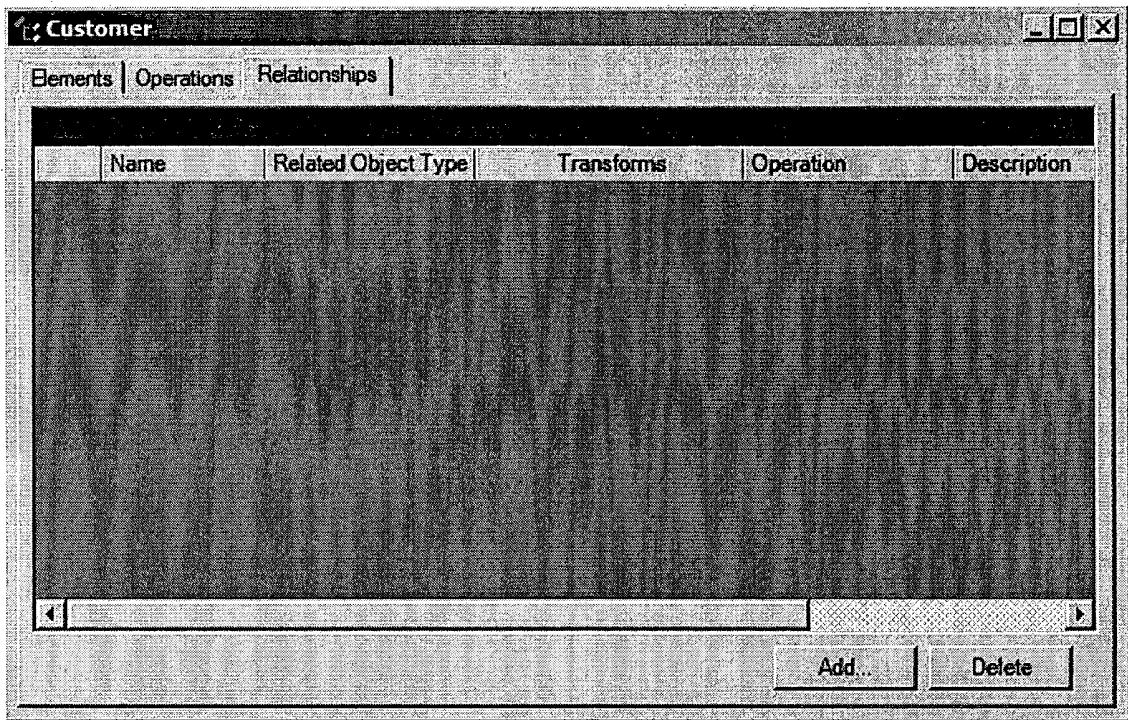


Figure 11b: Choose the EOT to relate

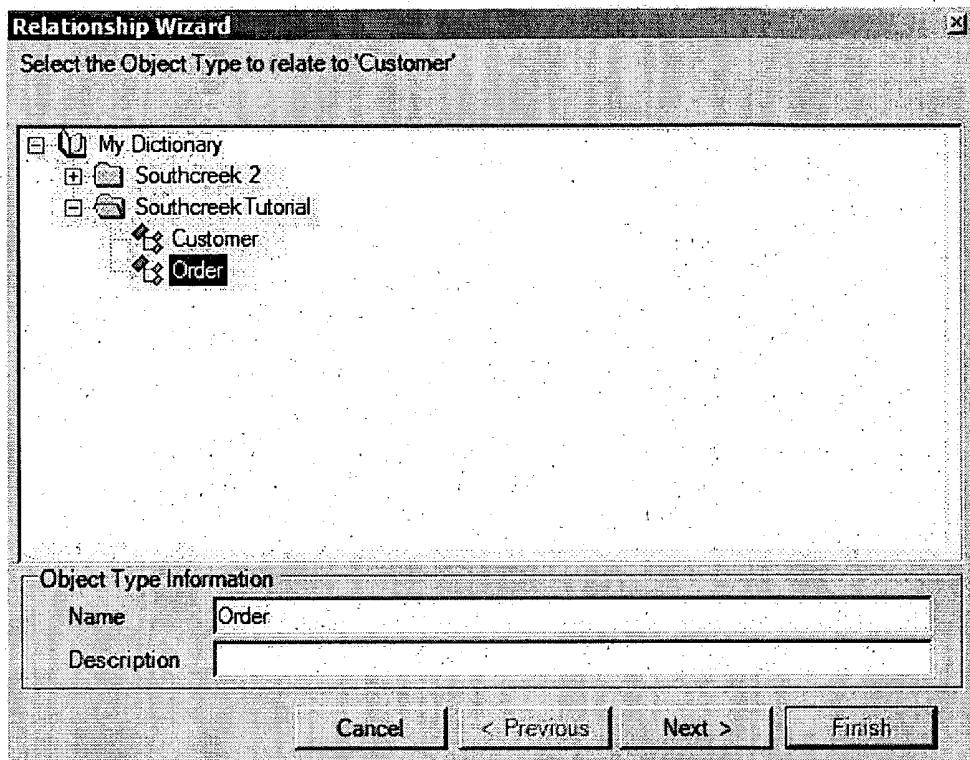


Figure 11c: Select the operation used to create the relationship

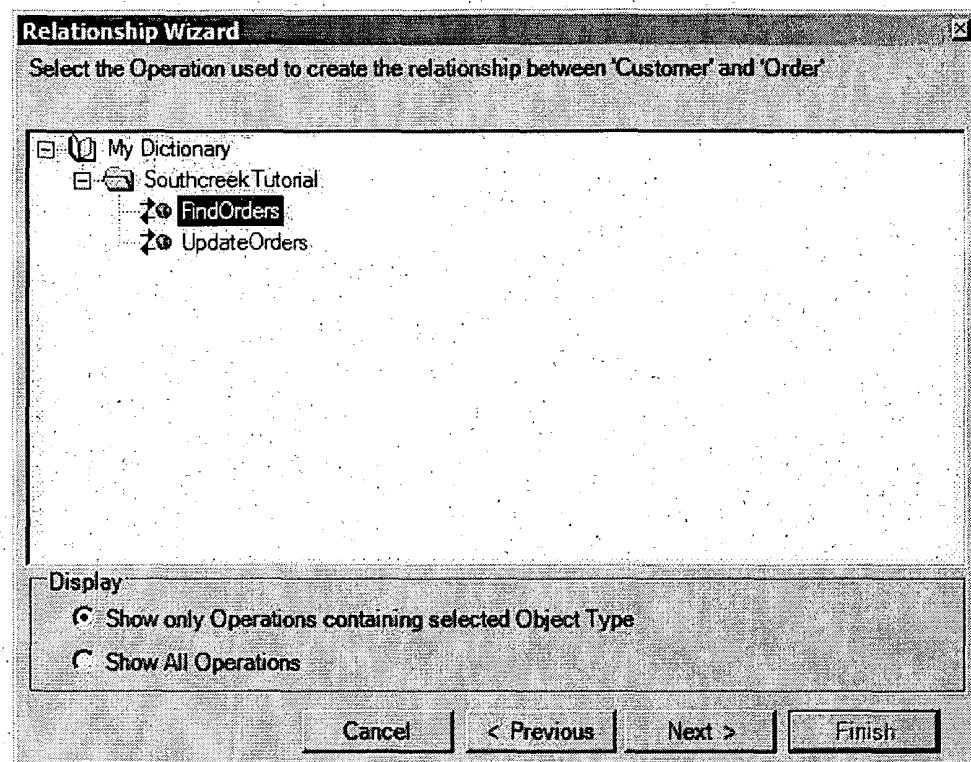
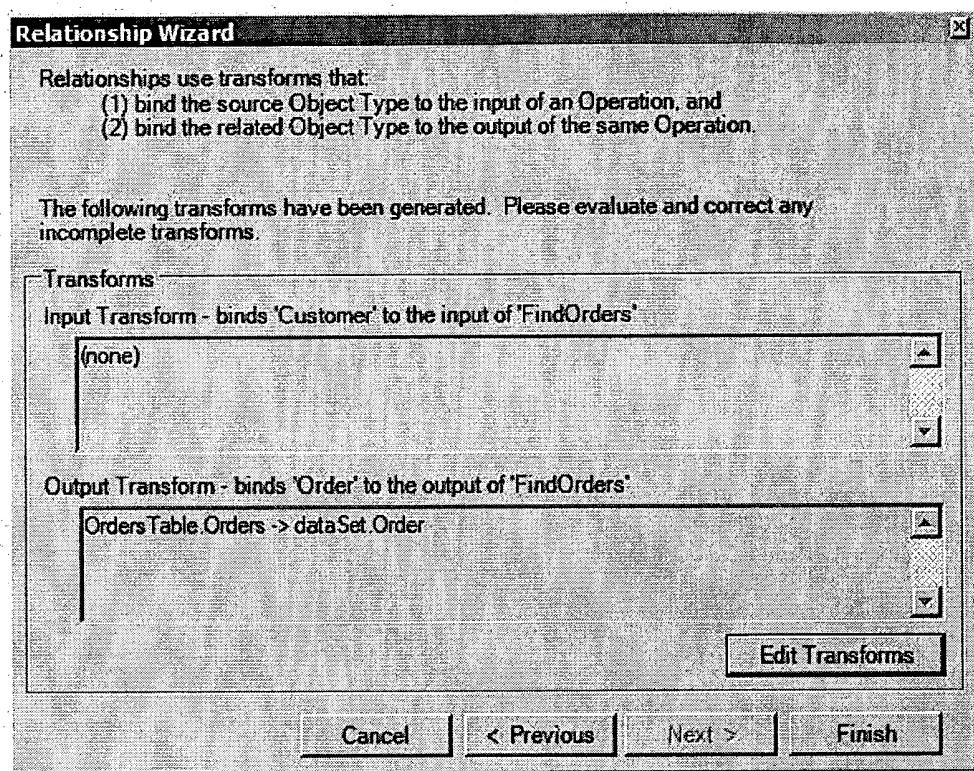


Figure 11d: Edit the Transforms



11e: Transforms window

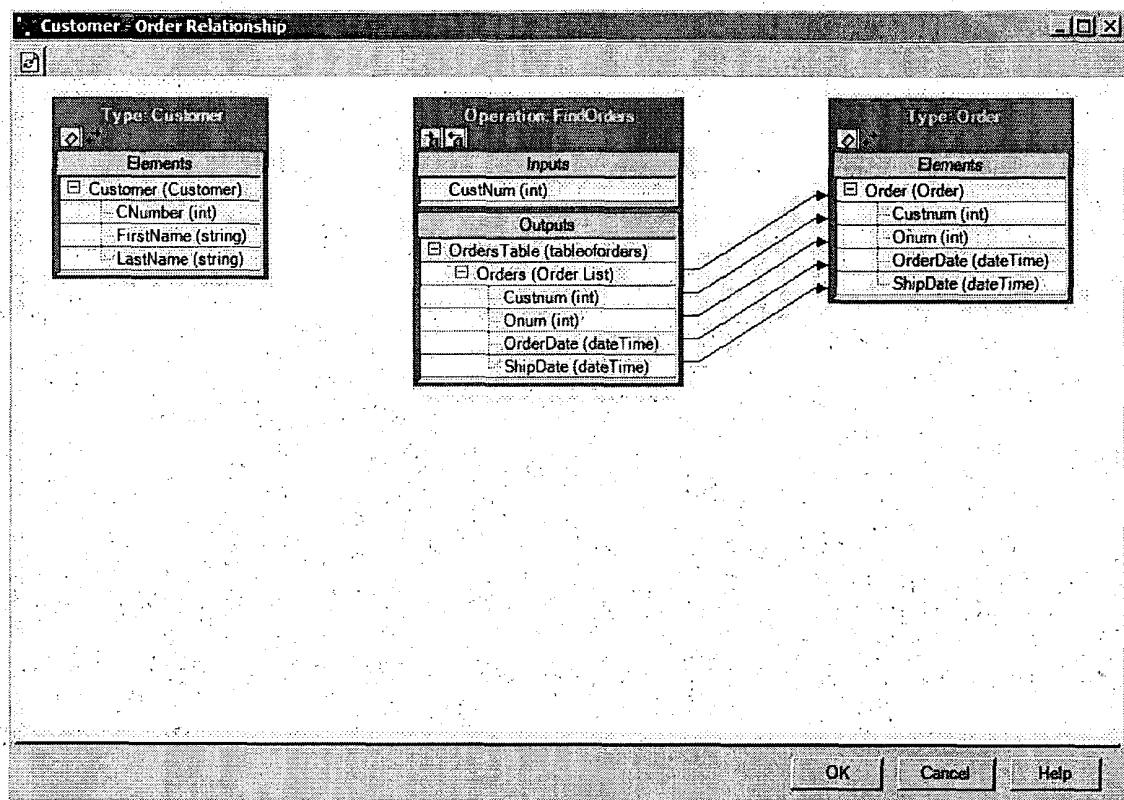


Figure 11f: Transforms completed

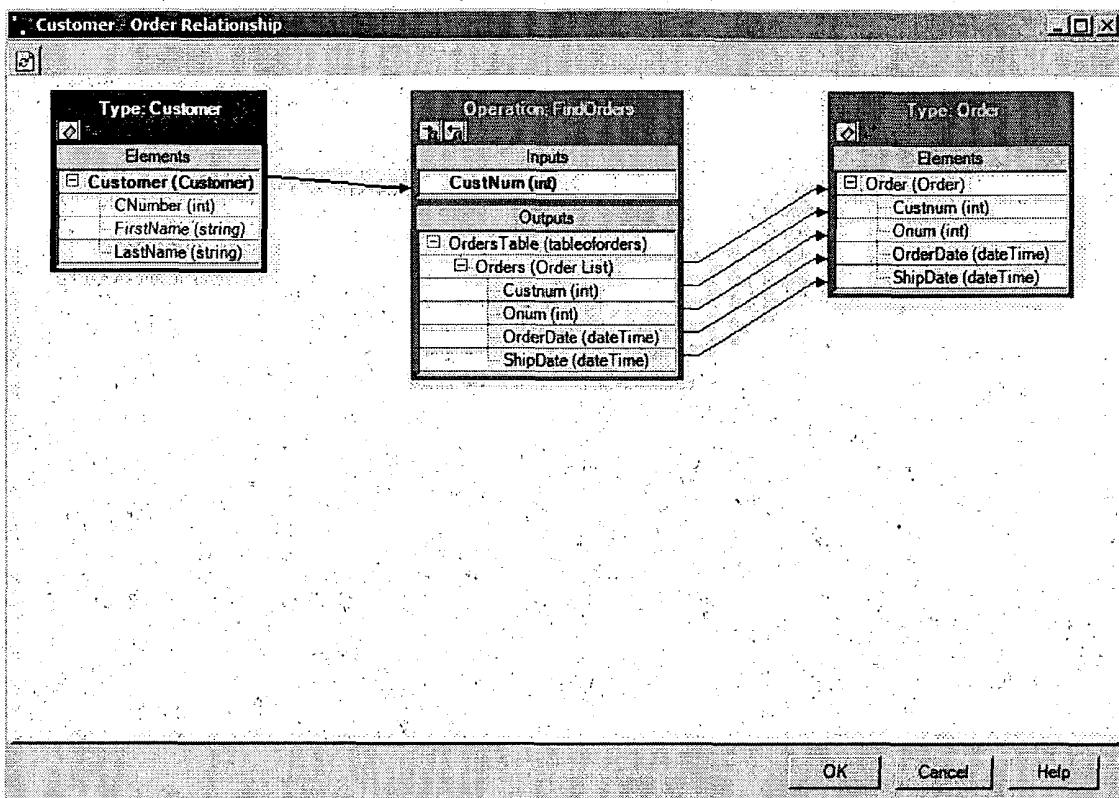


Figure12a: Create a form with a Relationship Join Using the Form Wizard

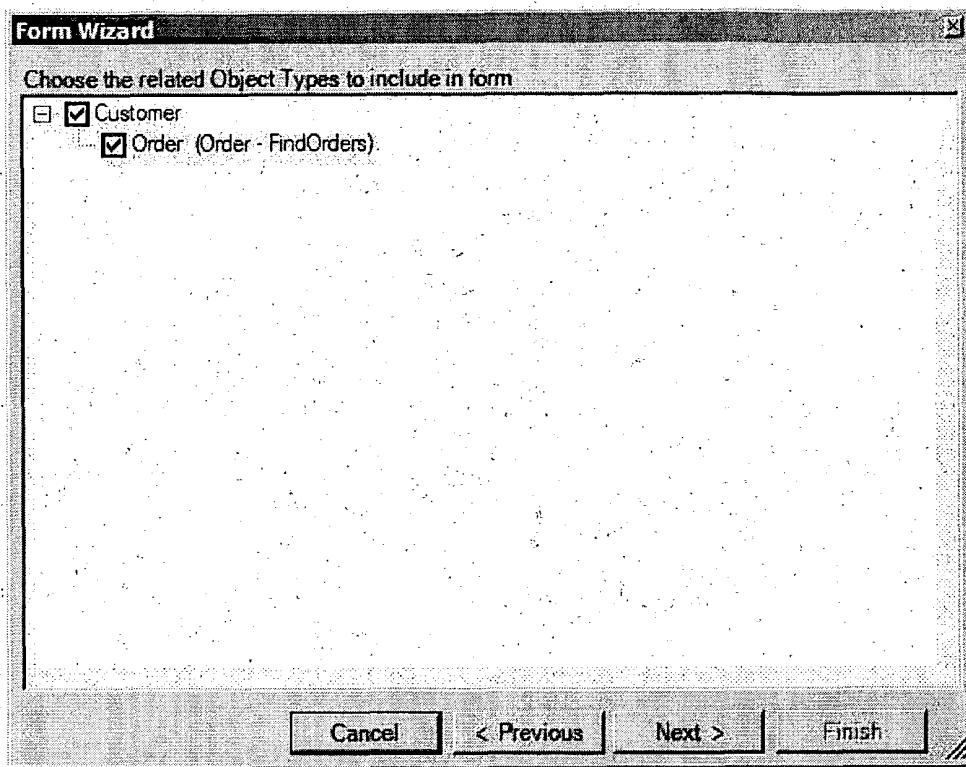


Figure12b: Choose the operations for the form

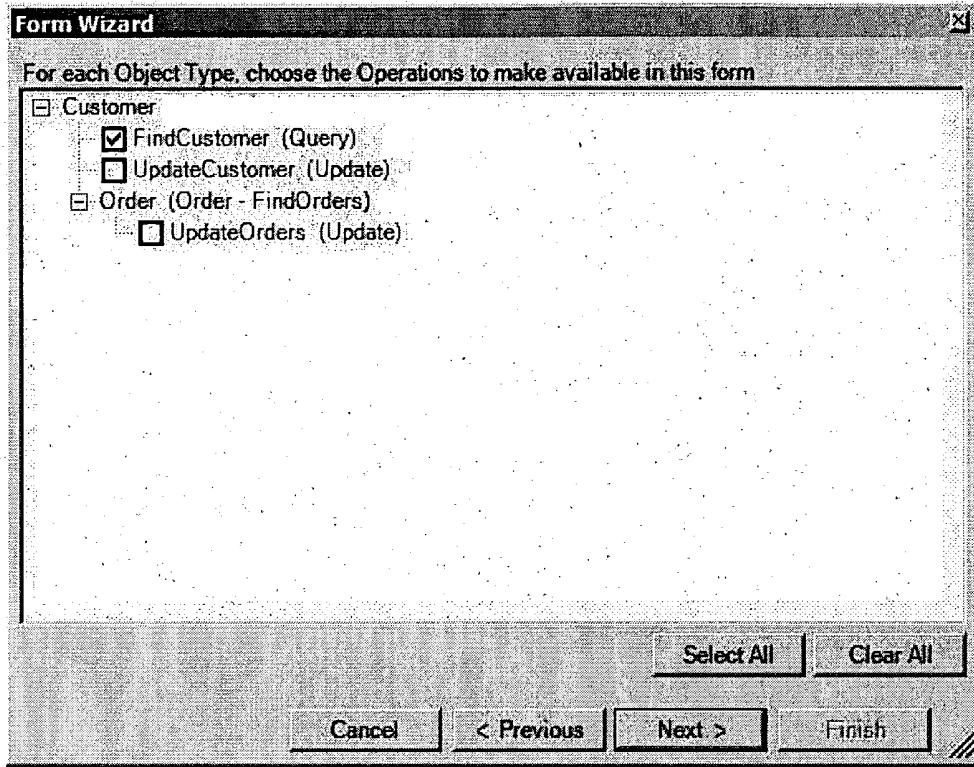


Figure12c: Select layout options and finish the form

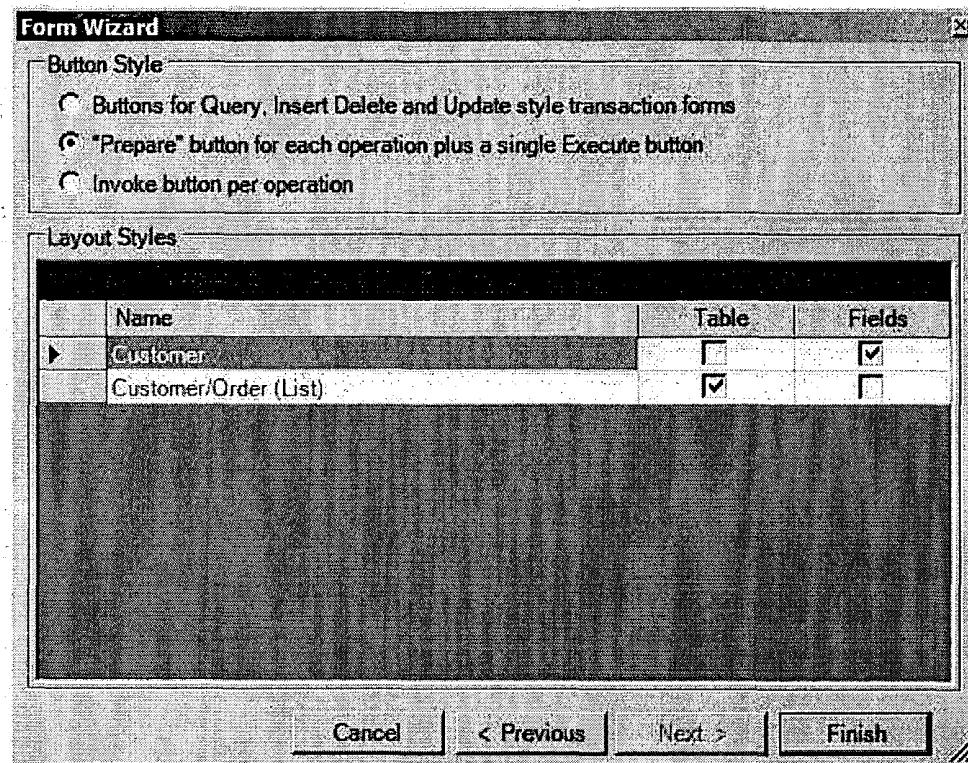


Figure 12d: Form Created with a Relationship Join using the Form Wizard

Form1

EMailAddress	<input type="text"/>
CNumber	<input type="text"/>
FirstName	<input type="text"/>
LastName	<input type="text"/>
CustNum	<input type="text"/>

Orders

Custnum	Onum	OrderDate	ShipDate

Figure 13a: Enterprise Modeler showing Customer and Order icons, without Customer expanded

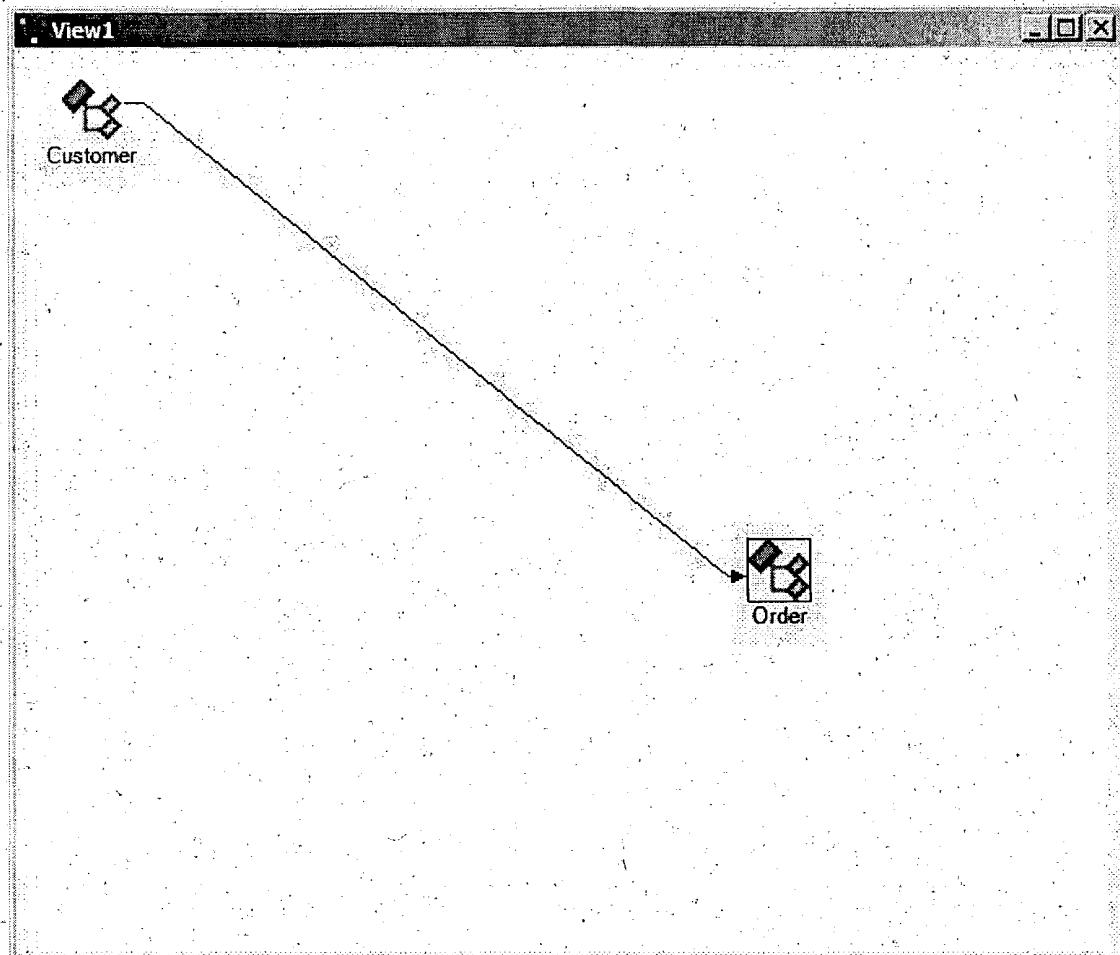


Figure 13b: Enterprise Modeler showing Customer and Order icons, with Customer expanded to show Relationships

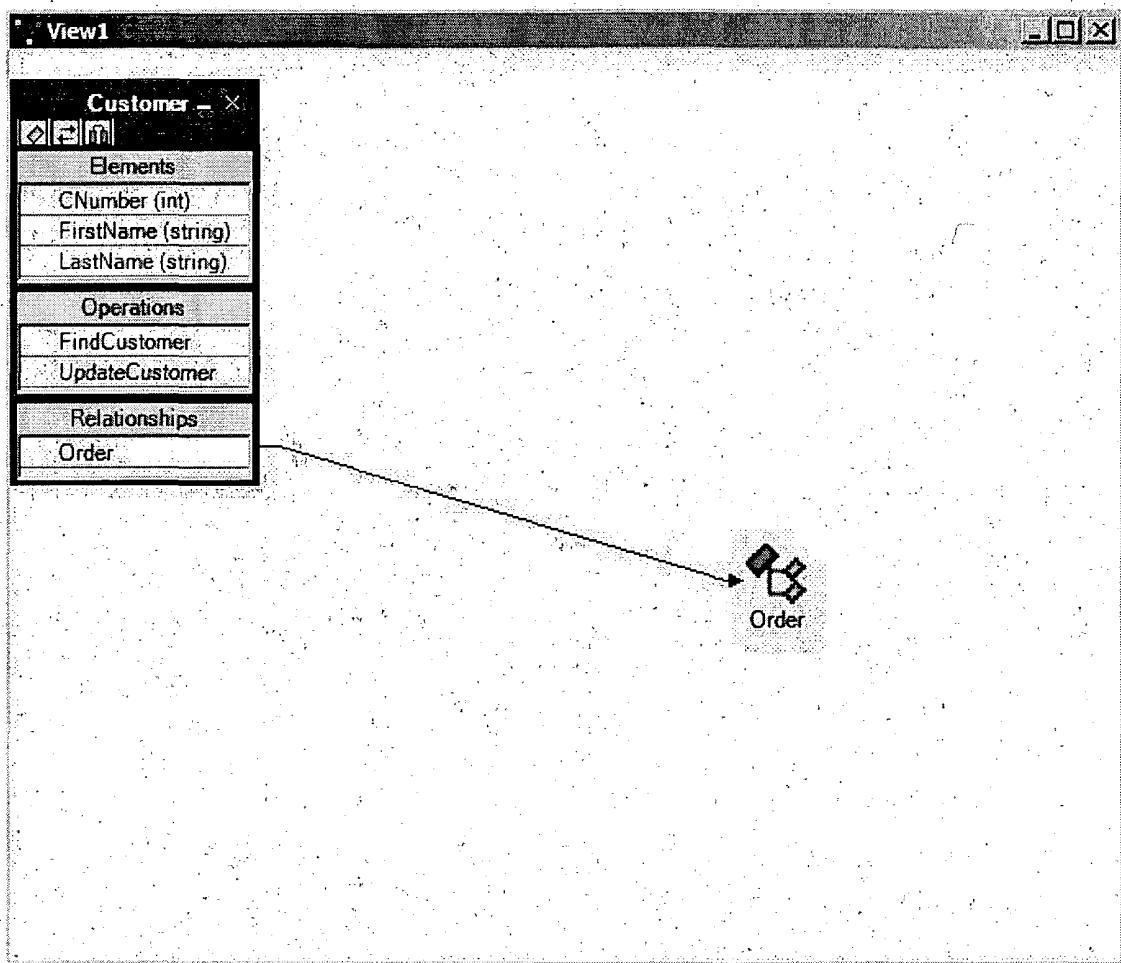


Figure 13c: Enterprise Modeler showing more complex relationships, including line labels

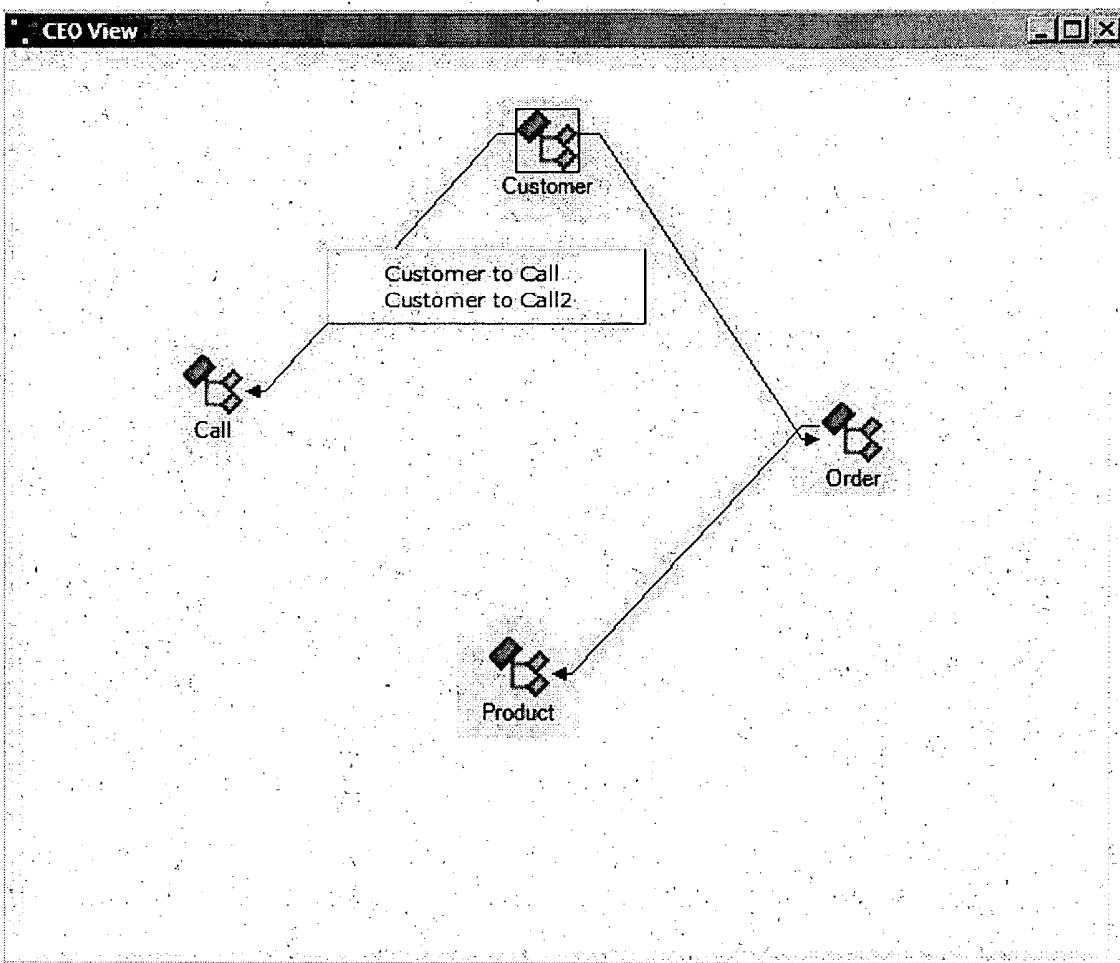


Figure 13d: Enterprise Modeler showing Customer, Call, and Order EOTs, with Customer expanded to show Relationships

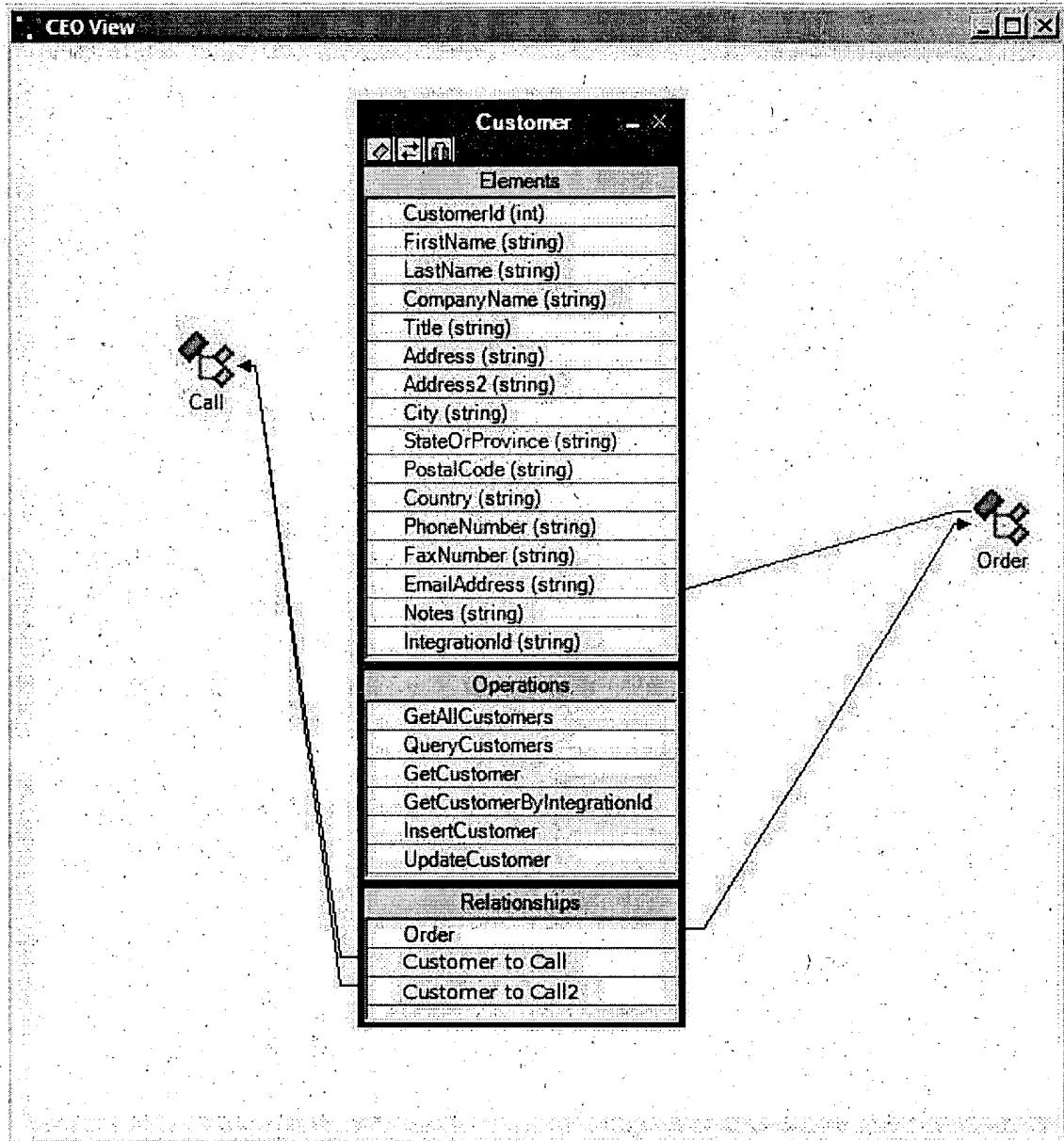


Figure 13e: Relationships panel

The screenshot shows a software interface titled "Customer". At the top, there are three tabs: "Elements", "Operations", and "Relationships". The "Relationships" tab is selected, indicated by a bold border. Below the tabs is a table with the following data:

Name	Related Object Type	Transforms	Operation	Description
Order	Order (http://teambam)	(Click to edit)	GetOrders (http://teambam)	
Customer to Call	Call (http://teambam)	(Click to edit)	GetCalls (http://teambam)	
Customer to Call 2	Call (http://teambam)	(Click to edit)	GetCall (http://teambam)	

At the bottom of the panel, there are two buttons: "Add..." and "Delete".

Figure 14: Schematic diagram of network

